Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

AEE, YSTSD

SBR No: 119/22-23

Date: 29/3/2023

No. 6th and ~~PART~~ Final

EE, Yelahanka Division

YNK-DBR No.....
Date.....

AEE, Yelahanka New Town Sub Division

Bill Received No..... Dated..... Cash Book Voucher No..... dated.....

Scheduled Docket No.

Head of Account: P-2867 **Job Code:** 003-22-000006

Name of Work (as per sanctioned estimate): Restoration and Improvements of Roads from Doddaballapura Main Road to Nagarjuna College, Kaveri Layout, Chowdappa Layout, Maruthinagara, Hariraja Layout and Surrounding Areas in Ward No - 03 of Yelahanka New Town Sub Division (PACKAGE NO -12)

Work order No: BBMP/EE/YNK.D/EPMT-08/W.O/115/2021-22 dated: 16.02.2022

Name of Contractor and Full Address: Sri. Srinivasa Reddy H, #96, Hongasandra Begur Road, Bangalore-560068

Certified that the measurements were taken by me on 30/07/2022 and recorded of Pages: 586053 to 586065 of measurement Book No: 5861 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurements were checked by me on 30/07/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

1) Total value of work done or supplies made as per account with in
2) Deduct amount to be held in reserve being.....percent Rs.....
3) " Balance
4) Deduct Payments :
   a) Amount of previous payment as in the Office cash Book Voucher No.....Dated.....S.D. No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Voucher No.....dated.....less adjustments
7) Net amount due to or from contractor
   Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within

Bill Amount	97,13,239.58=00
(+) GST	11,65,588.74=00
TOTAL	1,08,78,000=00
Less : I Tax	1,08,780=00
SGST	97125=00
CGST	97125=00
LC BCWWC	1,08,780=00
CBF	10878=00
ROYALTY	322457=00
FINE	—
FSD	—
OTHERS	—
TOTAL DEDUCTION	7,45,145=00
NET PAY	1,01,32,855=00

Contractor's Signature

Received Rs..... (In words)

.....

By Cash and by adjustment of Payment as per memorandum

Witnesses:

1.

2.

Dated..... Signature of Contractor

Paid by me by cheque No..... Dated.....

Cash Rs..... Dated.....

Initials of Officer making payment

Audited & Admitted for Rs. 1,08,78,000=00 (For use in the Office)

Stamp

1,01,32,855=00 by Cheque

and Rs. 7,45,145=00 by adjusement

Accts Supdt. Yelahanka Division BBMP

Exe. Engineer Yelahanka Division Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

BILL FORM

NAME OF WORK:- Restoration and Improvements of Roads from Doddaballapura Main Road to Nagarjuna College, Kaveri Layout, Chowdappa Layout, Maruthinagara, Hariraja Layout and Surrounding Areas in Ward No - 03 of Yelahanka New Town Sub Division (PACKAGE NO -12)

Contractor / Agency:	Sri. Sreenivasa Reddy	JOB CODE: 003 - 22 - 000006

SIXTH and FINAL

Item No	Description of Work	Unit	Modified Bill of Qunatites as per Work Slip and EIRL	Previous Measurement		Present Measurement			Total Up-to-Date	
				Qty	Amount	Quantity	Rate	Amount	Quantity	Amount
1	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embarnkemnt location to a lead of 1.00 km and complete as per specifications MORTH Specification No.301 (I No-19.14,P No-143)	Cum	6204.48	5008.80	323468.70	1174.57 / 1195.68	64.58	75853.73 / 77217.01	6183.37 / 6204.48	400685.71
2	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)	Sqm	16998.06	15188.76	97512.32	1738.95 / 1809.30	6.42	11164.00 / 11615.71	16927.71 / 16998.06	109128.03

SAPIENCE CONSULTANTS & ENGINEERS * Bangalore-59

Item No	Description of Work	Unit	Modified Bill of Qunatites as per Work Slip and EIRL	Previous Measurement		Present Measurement			Total Up-to-Date	
				Qty	Amount	Quantity	Rate	Amount	Quantity	Amount
3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Cum	2549.72	2278.32	4590514.69	252.97 271.40	2014.87	5,09,701.66 546835.72	2531.29 2549.72	5137350.41
4	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and 0.86cum and fine aggregate @0.58cum over a prepared sub-base,coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1.Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determind during trial length construction,concrete strength not be determinde during trial length costruction, concrete strength not to be less than 10Mpa at 7 days,mixed in a batching plant,transported to site,laid with a paver,compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per spectications. Clause 601 of MORTH V Revision and IS 456 Table-5 , with OPC at 150 kg/cum and coarse aggregate 0.86 cum,fine aggregate 0.58 cum using concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver 22.1.2,Pg No.-174 ..	Cum	1144.82			477.51 488.04				
	UP TO 125%		820.98	656.78	2694045.88	164.20	4101.90	673531.98	820.98	3367577.86
	Above 125%		323.84			~~323.84~~	4256.78	~~1378515.64~~	~~323.84~~	~~1378515.64~~
						313.31		1333691	313.31	1333691

SCIENCE CONSULTANTS & ENGINEERS Bangalore-59

Item No	Description of Work	Unit	Modified Bill of Qunatites as per Work Slip and EIRL	Previous Measurement		Present Measurement			Total Up-to-Date	
				Qty	Amount	Quantity	Rate	Amount	Quantity	Amount
5	Constructing un-reinforced,plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum,fine aggregates at 0.46 cum,coarse and fine aggregate conforming to IS:383-2016,with Superplastizer at 3 lts conforming to IS 9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design,laid in approved fixed side form work (sreel channel,layning and fixing of 125 micron thick polythene fim, wedges, steel plates including levelling the form work as per drawing). & Speration the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a construction and longitudinal joints,including groove cutting charges,joint filler,separation membrane of impermiable plastic sheet of 125 micron,sealant primer, joint sealant, admixtures as approved, curring compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials,labour,hire charges of machineries , all lead & lift charges etc., complete as per specifications.with OPC AT 360 kg/cum and coarse aggregate 0.69,fineaggregate 0.46cum. Item No.-22.6.3,Page No.-176	Cum	1144.82			477.5 / 488.04				
	UP TO 125%		820.98	656.78	3737505.11	164.20	5690.65	934404.73	820.98	4671909.84
	Above 125%		323.84			323.84	6062.35	1963231.42	~~323.84~~	~~1963231.42~~
6	KSRB 4-1.6: Providing and laying in postion Plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @	Cum	86.05	86.05	524031.59	313.31 / 0.00 X	6089.85	1899394 / 0.00 X	313.31 / 86.05	1899394 / 524031.59
7	KSRB 4-1.3 : Providing and laying in position plain cement concrete ofg Mix 1:4:8 with opc @180kgs, with 40mm and down size graded granite metal coarse aggregates@0.85 cum and fine aggregates @0.57 cum machine mixed , machine mixed, concrete laid in layers mot exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per Specifications. Specifications No. KBS 4.1 , 4.2 ,Pg.No 30	Cum	933.78 / 936.35	879.18	4990216.89	54.60	5675.99	309909.05	933.78	5300125.94

SAPIENCE CONSULTANTS & ENGINEERS * Bangalore-59

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Item No	Description of Work	Unit	Modified Bill of Qunatites as per Work Slip and EIRL	Previous Measurement		Present Measurement			Total Up-to-Date	
				Qty	Amount	Quantity	Rate	Amount	Quantity	Amount
8	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)	Cum	6200.79 6211.09	5685.74	1236250.45	515.05	217.43	111987.32	6200.79	1348237.77
9	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Wall and Bottom Thickness 15 cm , Item No.37.59.2, Page No.271.-	Cum	1653.70 1657.93	1546.27	11592726.37	107.43	7497.22	805426.34	1653.70	12398152.71
10	KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19	Tonne	108.65 108.93	102.40	8289244.26	6.246	80948.07	505601.65	108.65	8794845.91

ENGG CONSULTANTS Bangalore-59

Item No	Description of Work	Unit	Modified Bill of Qunatites as per Work Slip and EIRL	Previous Measurement		Present Measurement			Total Up-to-Date	
				Qty	Amount	Quantity	Rate	Amount	Quantity	Amount
11	Providing and Fixing pre cast covering Slab of 100mm thick made out of CC jelly 20mm and down size with steel reinforecement , inclunding form work, lift charges, curing including cost of all materials ,Labour,Hire charges of machineries,loading onloading,lead and lift,Transportation etc,complete. as per Engineer in-charge.(Date rate)	Sqm	4779.03 4816.29	4523.79	8781671.62	255.24	1941.22	495476.99	4779.03	9277148.61
12	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	137.64			70.44				
	UP TO 125%		84.00	67.20	304473.79	16.80	4530.86	76118.45	84.00	380592.24
	Above 125%		53.64			53.64	4530.86	243035.33	53.64	243035.33
13	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in	No	9300.00	9300.00	4062240.00	0.00	436.80	0.00	9300.00	4062240.00
14	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 ,Specification No.KSRRB M800 - 6.P.No.180,I.No-24.1 of PW,P & IWTD SR 2018-19 ,	Sqm	1276.45	0.00	0.00	1276.45	85.65	109327.94	1276.45	109327.94
15	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix	Cum	2011.58	2011.58	4065981.92	0.00	2021.29	0.00	2011.58	4065981.92

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Item No	Description of Work	Unit	Modified Bill of Qunatites as per Work Slip and EIRL	Previous Measurement		Present Measurement			Total Up-to-Date	
				Qty	Amount	Quantity	Rate	Amount	Quantity	Amount
16	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and sparying primer at the rte of 0.60 kg /sqm using	Sqm	10057.89	10057.89	344582.90	0.00	34.26	0.00	10057.89	344582.90
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of materials , labour, HOM complete as per specification P.No.-158,I.No-21.7,Issue Rate	Sqm	28418.59	27929.50	358894.10	489.09	12.85	6284.81	28418.59	365178.91
18	KSRRB M500-17. Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with 4.5% VG-30 bitumen with all lead and lift and as per the direction of Engineer in-charge.I.No.-21.17.6,Pg.No.- 160 ,Data Rate	Cum	1420.92	1396.48	10286130.00	24.44	7365.73	180018.44	1420.92	10466148.44
19	Providing and laying Bituminous concrete , using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision - using 40-60 TPH capacity HMP with mechanical paver grading II (30-40mm) with 5.4% of VG-30 bitumen .Page no-162 It. No -21.22.6	Cum	1136.74	1052.24	8980677.61	84.50	8534.82	721192.29	1136.74	9701869.90

CONSULTANTS & ENGINEERS Bangalore-59

Item No	Description of Work	Unit	Modified Bill of Qunatites as per Work Slip and EIRL	Previous Measurement		Present Measurement			Total Up-to-Date	
				Qty	Amount	Quantity	Rate	Amount	Quantity	Amount
20	KSRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface / Concrete Surface :- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per	Sqm	1151.45	1151.45	528849.70	0.00	459.29	0.00	1151.45	528849.70
21	KSRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the	No	1042.00	1042.00	375943.30	0.00	360.79	0.00	1042.00	375943.30
	EXTRA ITEMS									
E1	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 600mm. dia (Page No 254, Item No. 34.6.3)	Mtr	176.00			176.00	3416.28	601265.28	176.00	601265.28
E2	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No. 255, Item No. 34.8.2)	Cum	9.95			9.95	4920.48	48958.78	9.95	48958.78

SAPIENCE CONSULTANTS & ENGINEERS * Bangalore-59

Item No	Description of Work	Unit	Modified Bill of Qunatites as per Work Slip and EIRL	Previous Measurement		Present Measurement			Total Up-to-Date	
				Qty	Amount	Quantity	Rate	Amount	Quantity	Amount
E3	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 (Page No. 158, Item No. 21.2)	Sqm	11382.39			11382.39	5.35	60895.79	11382.39	60895.79
								9713239.56		
	TOTAL CONSTRUCTION COST				76164961.20			9860850.67		86025811.87
								1165588.74		
	GOODS AND SERVICE TAX at 12%				9139795.34			1183302.08		10323097.42
	NET AMOUNT PAYABLE				85304756.54			11044152.75		96348909.29
								1,08,78,828:00		

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No. departmental issues are made to the contractor

Contractor

PMC SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Assistant Engineer
Yelahanka New Town Sub Division
BBMP

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP